

**Road Map for Digital Preservation Interoperability Framework:  
Connecting Digital Preservation Repositories**  
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**Presenter Guidelines**

Please use the following as guidelines for your paper submission. There is no requirement that all points within each section applicable to your work must be covered. This information will help establish a roadmap for the digital preservation interoperability framework, which will guide the focus and priority of the standard work for the ISO/IEC JTC 1 Study Group on Digital Content Management and Protection (SGDCMP) on digital preservation.

**Content Organization**

1. Background
  - a. High level description about institutions/collaborators providing given repository
  - b. Describe what information the repository provides and if contribution is mandatory
  - c. Describe digital content characteristics and who uses them
2. Impact
  - a. Describe the given content's impact within the related field, or in other fields
  - b. Describe what happens if the given content is lost
  - c. Describe how digital preservation maximizes the value of the content
3. Content
  - a. Describe content size (PB/TB/GB) and how often they get accessed
  - b. Describe the scope of content collections and how they get distributed
  - c. Describe what metadata, file format, packaging, and other related technologies are currently adopted, including rationale for such selection
  - d. Describe system architecture for hosting the content
  - e. Describe how 3d is related to OAIS reference model (if applicable)
4. Access
  - a. Describe how users/systems can access your content, including rationale for any restrictions
  - b. Describe what resources and capabilities (equipment, protocols, systems, expertise, etc.) are needed in order to access the content.
5. Management
  - a. Describe what digital content needs to be preserved and for how long
  - b. Describe preservation and lifecycle management strategies for the given content. This includes dealing with new technology adoption, outlining any changes in access anticipated during the preservation process
  - c. Describe how strongly adopting other standards technologies as part of lifecycle management
6. Protection
  - a. Describe content sensitivity including privacy, confidentiality, security, intellectual property and other rights
7. Challenges
  - a. Describe barriers and lessons learned to make the repository available to the public
  - b. Describe what preservation challenges your organization are facing
  - c. Describe what tools and technologies you would like to see get develop

8. Interoperability
  - a. Describe how repositories interoperability may benefit your organization
  - b. Describe how content sensitivity including privacy, confidentiality, security, intellectual property and other rights are affected under interoperability setting

## **Technology**

1. Background
  - a. Describe the motivation of the technology and what problems are being solved
  - b. Describe the target audience using this technology
2. Technology
  - a. Describe technology's novelty and innovative characteristics
  - b. Describe technology's architecture and workflow
  - c. Describe how such technology fits into existing digital preservation environment
  - d. Describe technology deployment and feedback
  - e. Describe technology specification documentation, support, and/ or community activities
3. Impact
  - a. Describe how the technology benefits to digital preservation community in terms of producer and consumer
  - b. Describe productivity enhancement and operation improvement
  - c. Describe what the potential cost saving with such a technology
4. Development
  - a. Describe lessons learned when developing such technology
  - b. Describe future development plan (if any)

## **Standards and Best Practices**

1. Background
  - a. Describe what standard body oversees the standard development and identify the participating members
  - b. Describe the motivation of the standard and the problems being solved
  - c. Describe who the target audience is that uses this standard or would be affected by the standard
2. Standard
  - a. Describe standard's novelty and innovative characteristics
  - b. Describe standard's architecture and workflow
  - c. Describe how such standard fits into existing digital preservation environment
  - d. Describe standard deployment, feedback and outreach into the relevant community
3. Impact
  - a. Describe how such standards benefits the digital preservation community in terms of producer and consumer
  - b. Describe productivity enhancement and operation improvement
  - c. Describe the potential cost saving with such a standard
4. Development
  - a. Describe lessons learned when developing such standards
  - b. Describe future development plans (if any)